

## ABSTRACT

A communication terminal apparatus connected to an analog communication network includes a line interface circuit to control network functions, convert analog data of network control and monitor signals and a modulated signal received from the network into digital data, and convert digital data including a modulated signal for transmitting to the network into analog data. The apparatus also includes a digital signal processing circuit provided with a network control signal processing section and a modulation and demodulation processing section, and a digital interface device to electrically isolate the network control and monitor signals and the modulated digital signals. The apparatus further includes a power-saving control device to carry on the operation of the line interface circuit and the network control signal processing section and suspend the operation of the modulation and demodulation processing section so as to be into a power-saving state when a predetermined power-saving state change factor has occurred in a normal operating state, and resume the suspended operation of the modulation and demodulation processing section when an incoming call signal is received during the power-saving state.